

# BACK-SIDE WAFER SINGULATION METHOD

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## 5 ABSTRACT

A wafer includes a vertical scribe line and a horizontal scribe line on a front-side surface of the wafer. An intersection of the vertical scribe line and the horizontal scribe line is optically recognized  
10 through a wafer support attached to the front-side surface of the wafer. The wafer is drilled all the way through at the intersection to form a back-side alignment mark on a back-side surface of said wafer. The back-side alignment mark is used to aligning a saw, which  
15 singulates the wafer from the back-side surface.